Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/05/2020 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124530	-1	2.68	124668	2.70
Blue	F	SSC	125000	125037	0	1.93	125807	1.95
Blue	E	FITC	15892	15560	-3	2.87	340	20.73
Blue	D	PE	29999	29517	-2	2.07	643	15.62
Blue	B	PerCP-Cy5-5	43732	43571	-1	3.76	1169	21.21
Blue	A	PE-Cy7	30845	31101	0	6.46	595	43.08
Red	C	APC	46112	44574	-4	2.63	1571	12.53
Red	A	APC-Cy7	30458	29124	-5	2.46	770	12.32
Violet	B	V450	7918	7607	-4	4.36	430	13.26
Violet	A	V500	32171	31507	-3	4.14	736	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17299	13.97	634	13	N/A	N/A	Pass
Blue	F	SSC	57131	1.41	575	16	N/A	N/A	Pass
Blue	E	FITC	62	65.51	550	7	0.0184	126	Pass
Blue	D	PE	134	52.61	556	8	0.1415	262	Pass
Blue	B	PerCP-Cy5-5	213	53.09	664	8	0.0084	84	Pass
Blue	A	PE-Cy7	111	107.83	710	12	0.0098	20	Pass
Red	C	APC	375	26.19	589	5	0.0229	154	Pass
Red	A	APC-Cy7	169	30.07	561	5	0.0053	1152	Pass
Violet	B	V450	66	59.75	464	6	0.0497	2022	Pass
Violet	A	V500	110	31.77	480	6	0.0235	560	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.62	-31.89	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.44
Red	15.13	13.60 - 20.40	N/A	N/A	29.13	29.85	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9573

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments